



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JOHN ELIAS BALDACCI
GOVERNOR

DAVID P. LITTELL
COMMISSIONER

July 1, 2008

Mr. Drake Bell
Irving Oil Terminals, Inc.
52 Station Avenue
Searsport, Maine 04974

RE: Irving Oil Terminals, Inc. Application for Air Emission License Minor Revision

Dear Mr. Bell:

Enclosed please find the final air emission license for which you applied (A-413-71-J-M) as well as an information sheet on appealing a licensing decision and a customer service questionnaire.

If you have any questions, please write or call your project manager for your application, Lynn Ross. The telephone number is (207) 287-2437.

Sincerely,



Marc Allen Robert Cone, P.E.

Bureau of Air Quality

pc: Town of Searsport
Jeff Strang, CES, Inc.

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826
RAY BLDG., HOSPITAL ST.

BANGOR
106 HOGAN ROAD
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04769-2094
(207) 764-0477 FAX: (207) 760-3143



Irving Oil Terminals Inc
52 Station Avenue
Searsport, Maine 04974

May 10, 2010

Emission Inventory Program
Maine Department of Environmental Protection
Bureau of Air Quality
28 Tyson Drive
Augusta, ME 04333-0017

RE: Irving Searsport-Reporting Year 2009 Air Emissions Inventory

"I, Drake Bell, certify that the information contained in the 2009 Air Emissions Inventory Statement and supporting documentation submitted to the Department via email on May 10, 2010 for Irving Oil Terminals, Inc., located in Searsport, Maine, is accurate and complete to the best of my knowledge."

Drake Bell
Terminal Manager
207-548-2541 ext 301

Signature:

Drake Bell

Date:

5/10/10

Process Unit Emissions

Pollutant	Pollutant Description	Method:	Estimated Emissions - No RE		Over All %	
			Factor:	Tons/Yr:	Capture	Control
VOC	VOLATILE ORGANIC COMPOUNDS	3		2.957		
Comment:						

Facility Pollutant Emissions Summary

Facility ID: 00020 County - 027 State - 23

CAS	Pollutant		Emissions tons / year
10024972	NITROUS OXIDE (N2O) , NOT (NO2)	0	0
124389	CARBON DIOXIDE	0	0
7439921	LEAD	0	0
74828	METHANE	0	0
CO	CARBON MONOXIDE	0	0
NH3	AMMONIA	0	0
NOX	NITROGEN OXIDES	0	0
PM10-FIL	PRIMARY PM10, FILTERABLE PORTION ONLY	0	0
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION ONLY	0	0
SO2	SULFUR DIOXIDE	0	0
VOC	VOLATILE ORGANIC COMPOUNDS	38.33603	38.33603

Table 10
Irving Oil Terminals
Searsport Terminal RY2009
Equipment Leak Emissions Calculations

Rack Lines									
Line Name	Number of Connections and Flanges	Number of Pumps	Number of valves	Type of Fuel in Equipment	Number of Days Equipment in Use	Number of Hours per Year Equipment is in Use	TOC Fuel Emission Rate (lb/hr)	TOC Fuel Emission Rate (lb/day)	TOC Fuel Emission Rate (lb/yr)
Tank 1	4	2	11	Classified	365	8760	36.42	36.42	13291.2
Tank 2	1	0	3	No. 2	365	8760	2.63	2.63	967.95
Tank 3	4	1	8	Jet/Air	365	8760	17.99	17.99	6556.35
Tank 4	1	2	13		0	0	0.00	0.00	0.00
Tank 5	4	1	11	ULSD	365	8760	20.19	20.19	7429.05
Tank 6	3	1	7	No. 2	365	8760	18.71	18.71	6859.35
Tank 7	0	0	0	ULSD	365	8760	0.00	0.00	0.00
Tank 8	0	0	0	ULSD	365	8760	0.00	0.00	0.00
Tank 9	0	2	18	No. 2	365	8760	35.81	35.81	13071.6
Tank 10	14	2	15	LCO	60	8760	35.48	35.48	12916.8
Tank 11	14	2	15	unblended	184	8760	35.48	35.48	12528.32
Tank 12	13	1	15	LCO	365	8760	24.80	24.80	9050.4
Tank 13	12	2	19	Jet/Air	365	8760	38.50	38.50	14041.5
Tank 14	33	1	9	Classified	275	6780	21.01	21.01	7777.75
Tank 15	33	1	9	Classified	275	6780	21.01	21.01	7777.75
Dock Lines									
CLM	5	0	16	Classified	365	8760	14.06	14.06	5141.86
No. 2	4	0	8	No. 2	365	8760	7.28	7.28	2687.08
Classified	4	0	12	Classified	365	8760	10.80	10.80	3952.8
No. 6	7	0	8	No. 6	0	0	0.00	0.00	0.00
7 Line	8	1	13	Classified	294	7068	18.09	18.09	6628.26
7 Line	8	1	13	No. 2	71	1704	4.37	4.37	1600.17
8 Line	8	1	13	Classified	218	7836	18.63	18.63	6844.17
8 Line	8	1	13	No. 2	43	1032	2.85	2.85	1047.45
8 Line	8	1	13	Jet/Air	3	72	0.18	0.18	65.16

Based on EPA-42 guidance, VOC emissions average about 60 percent of total organic emissions, providing the TOC Fuel Emission Rate was multiplied by 0.60 to obtain the VOC Fuel Emission Rate.

Equipment leak emissions were calculated using the asymmetric method from "Procedures for Equipment Leak Emission Estimation" EPA-420/1-93-003 and EPA-420/1-93-003, "Equipment Leak Emission Estimation" section 7.00, from EPA's TTH Indicator Book, using emission factors from Table 3-1, "Inventory Emission Average Emission Factors".



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JOHN ELIAS BALDACCI
GOVERNOR

DAVID P. LITTELL
COMMISSIONER

January 14, 2009

Drake Bell
Irving Oil Corp
52 Station Ave.
Searsport, ME 04974

RE: 2007 Air Emissions Inventory - Facility QA & Certification Statement (DEPLicense # 413 - NEDS ID# 23-027-00020)

Dear Mr. Bell:

Thank you for submitting your 2007 Air Emissions Inventory. Following a quality assurance review of the data that you submitted, we believe that changes to emission estimates for your facility are warranted.

In addition to Emissions Inventory staff, the Air Licensing engineer assigned to your facility has gone over your Emission Inventory submittal. Please review the enclosed documents for any changes they may have made. Pay particular attention to the engineer's changes and/or comments, and contact the engineer directly if you have questions or comments about any of their changes.

Please review our recommended improvements and sign and date the Summary Report. The report must be returned within 14 business days after the date it was received. If you do not agree with any of the changes, please contact us immediately to discuss why you believe your estimates more accurately reflect your annual emissions.

If you need additional assistance you may contact any of the staff below.

Criteria Air Pollutants:	Daniel.Thoma@maine.gov; (207) 287-8672
Green House Gas and General:	Tammy.Gould@maine.gov; (207) 287-7036
Engineer Review:	Lynn Ross; (207) 287-8106

Sincerely,

Daniel Thoma
Air Toxics & Emissions Inventory Program
Division of Program Planning
Bureau of Air Quality
Maine Department of Environmental Protection

Enclosures: Chapter 137 CAPS - Engineering Review Routing Form
Facility Detail Report for Technical Review - Chapter 137 with comments/corrections
Revised Facility Detail Report for Technical Review - Chapter 137
Annual Emissions Summary Report with certification statement

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7668 FAX: (207) 287-7826
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BANGOR
106 HOGAN ROAD
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1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04769-2094
(207) 764-0477 FAX: (207) 760-3143

Chapter 137 CAPS - Engineering Review Routing Form

Calendar Year 2007

Date Sent to **Lynn Ross**

12/15/2008

Please return by: 1/14/2009

Site Name: **Irving Oil Corp**

License# **413**

County: **027**

Plant: **00020**

Lic PTE PM: **3**

SO2: **32**

NOX: **8.3**

CO: **0.7**

VOC: **49.9**

Lead:

NH3:

Estimated Emissions

PM10-FIL	0
SO2	0
NOX	0
CO	0
VOC	18.34574
PM25-FIL	0
7439921	0
NH3	0

1. Are all emission points and processes accounted for?

Notes: **Missing Boiler #2 (#2 FO fired)**
Missing Generator #1

please circle one

☐ Y

☒ N

2. Is facility-wide and/or equipment fuel usage within the license allowed?

Notes:

☒ Y

☐ N

3. Are plant emissions within the license limits?

Notes:

☒ Y

☐ N

4. Are the emission factors /or emission estimates reasonable based on throughput methods used?

Notes: Please spot-check estimates especially if no emission factors are listed.

Assumed to be calculated correctly
using TANKS.

☒ Y

☐ N

5. Did the facility use the best available method (see method codes below) to estimate emissions?

Notes: For changes to emission factors please note the method, and if manually calculated, the formula used to calculate the emissions.

☒ Y

☐ N

Engineer Signature: **Lynn Ross**

Date: **1/11/09**

Emissions Estimation Codes

- 1 Source Test
- 2 Material Balance
- 3 Manually Calc - AP-42 EF
- 4 Best Guess
- 5 Manual Calc - Local EF
- 8 I-STEPS Calc - AP-42
- 9 I-STEPS Calc - Local EF

Any method code other than 8 requires supporting documentation.

Emissions were manually calculated using Stack Testing or CEM data

Emissions were manually calculated using a material balance approach

Emissions were manually calculated using AP-42 Emission factors

Emissions based on best engineering guess.

Emissions manually calculated using a "local" Emission Factor-i.e. a factor specific to that site

Emissions were automatically calculated by I-STEPS using AP-42 Emissions factors

Emissions were automatically calculated by I-STEPS using a "local" emission factor

FACILITY DETAIL REPORT FOR TECHNICAL REVIEW - Chapter 137

IRVING OIL CORP

INVENTORY YEAR: 2007

Plant ID: 027-00020 License # 413 SIC: 5171 NAICS: 42271 Inventory Year: 2007
 Product or Service: PETROLEUM

- Method Codes:
- 1) Source Test
 - 2) Material Balance
 - 3) Manually calculated using AP-42/FIRE
 - 4) Best Guess
 - 5) Manually calculated using Local EF
 - 8) i-Steps calculated/AP-42/FIRE
 - 9) i-Steps calculated/Local EF

Stacks: 3 Groups: 18 Process Units: 31 Non-Attainment Area: N3211

Point - Segment		Comments:		Pollutant		Est. Emiss. (TPV)	O3 (tpsd)
001 1 #6 OIL		BOILER #1-NOT IN SVC.		PM10-FIL		0	0.0000
Comments: #6 OIL ASH = 1.12(S) + 0.37 (AP-42)		SCC - 10200401		1000 Gallons Residual Oil (No. 6) Burned		0	0.0000
		Pollutant Code		Emission Factor		0	0.0000
		SO2		3		0.00	0
		NOX		3		0.00	0
		CO		3		0.00	0
		VOC		3		0.00	0
		PM2.5-FIL		3		0.00	0
		7439921		3		0.00	0
		NH3		3		0.00	0
		124389		8		0.00	0
		74828		9		0.00	0
		10024972		9		0.00	0
Point - Segment TANK 1 - GASOLINE		SCC - 40400162		113152 1000 Gallons-Years Gasoline Storage Capac		0.00	0.0000
Comments:		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		113152 1000 Gallons Gasoline Transferred		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		90087 1000 Gallons-Years Liquid Storage Capacit		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		90087 1000 Gallons Material Throughput		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		90087 1000 Gallons Gasoline Transferred		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons-Years Gasoline Storage Capac		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Gasoline Transferred		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Material Throughput		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Gasoline Transferred		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Material Throughput		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Gasoline Transferred		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Material Throughput		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Gasoline Transferred		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Material Throughput		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Gasoline Transferred		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Material Throughput		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Gasoline Transferred		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Material Throughput		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Gasoline Transferred		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Material Throughput		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Gasoline Transferred		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
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		Pollutant Code		Emission Factor		0.00	0.0000
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		VOC		21281 1000 Gallons Gasoline Transferred		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Material Throughput		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Gasoline Transferred		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Material Throughput		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Gasoline Transferred		0.00	0.0000
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		VOC		21281 1000 Gallons Material Throughput		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Gasoline Transferred		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
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		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Material Throughput		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Gasoline Transferred		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Material Throughput		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Gasoline Transferred		0.00	0.0000
		Pollutant Code		Emission Factor		0.00	0.0000
		VOC		21281 1000 Gallons Material Throughput		0.00	0.000

FACILITY DETAIL REPORT FOR TECHNICAL REVIEW - Chapter 137

INVENTORY YEAR: 2007

Point - Segment		TANK 12 - KERO																					
		012	2	WORKING LOSS	SCC - 40400199	Pollutant Code	909	1000 Gallons Material Throughput	Emission Factor	% Ash	% Sulfur	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comments:																							
Point - Segment		TANK 13 - KERO																					
		013	1	BREATHING LOSS	SCC - 40400121	Pollutant Code	4153	1000 Gallons Years Diesel Stored	Emission Factor	% Ash	% Sulfur	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comments:																							
Point - Segment		WORKING LOSS																					
		013	2	WORKING LOSS	SCC - 40400122	Pollutant Code	4153	1000 Gallons Years Diesel Stored	Emission Factor	% Ash	% Sulfur	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comments:																							
Point - Segment		TANK TRUCK LOADING LOSSES																					
		014	1	ALL FUELS	SCC - 40400150	Pollutant Code	335163	1000 Gallons Petroleum Liquid Transfere	Emission Factor	% Ash	% Sulfur	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comments:																							
Point - Segment		EQU LEAKS																					
		015	1	VALVES FLANGES & ETC	SCC - 40400151	Pollutant Code	335163	1000 Gallons Petroleum Liquid Transfere	Emission Factor	% Ash	% Sulfur	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comments:																							
Point - Segment		BALLASTING-NA 2006																					
		016	1	BALLASTING LOSSES	SCC - 40400151	Pollutant Code	1000	Gallons Petroleum Liquid Transfere	Emission Factor	% Ash	% Sulfur	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comments:																							
Point - Segment		TANK #9 - FUEL OIL																					
		017	1	BREATHING LOSS	SCC - 40400121	Pollutant Code	21605	1000 Gallons Years Diesel Stored	Emission Factor	% Ash	% Sulfur	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comments:																							
Point - Segment		WORKING LOSS																					
		017	2	WORKING LOSS	SCC - 40400121	Pollutant Code	21605	1000 Gallons Years Diesel Stored	Emission Factor	% Ash	% Sulfur	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comments:																							
Point - Segment		FACILITY WIDE FUGITIVES																					
		090	1	FACILITY WIDE FUGITIVES	SCC - 2440000000	Pollutant Code	Tons	Emission Factor	Method Code	% Ash	% Sulfur	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comments:																							

FACILITY DETAIL REPORT FOR TECHNICAL REVIEW - Chapter 137
IRVING OIL CORP

Revised 1/14/09

INVENTORY YEAR: 2007

Plant ID: 027-00020 License # 413 SIC: 5171 NAICS: 42271 Inventory Year: 2007
 Product or Service: PETROLEUM

Comments: *Needs to go back to facility for review (DAT 1/14/2009)
 2007 - Boiler #2 & Generator #1 were not operated in 2007 - Kyle Sullivan (DAT 1/14/2009)

- Method Codes:
- 1) Source Test
 - 2) Material Balance
 - 3) Manually calculated using AP-42/FIRE
 - 4) Best Guess
 - 5) Manually calculated using Local EF
 - 8) i-Steps calculated/AP-42/FIRE
 - 9) i-Steps calculated/Local EF

Stacks: 3 Groups: 18 Process Units: 31 Non-Attainment Area: N3211
 Point - Segment BOILER #1-NOT IN SVC:

001 1 #6 OIL,
 Comments: #6 OIL ASH = 1.12(S) + 0.37 (AP-42)

SCC - 10200401

Pollutant Code

1000 Gallons Residual Oil (No. 6) Burned
 Emission Factor

Method Code 2.05 % Ash % Sulfur
 Emissions

SO2	3	0.00	0
NOX	3	0.00	0
CO	3	0.00	0
VOC	3	0.00	0
PM2.5-FIL	3	0.00	0
7439921	3	0.00	0
NH3	3	0.00	0
124389	8	0.00	0
74828	25873	0.00	0
10024972	1.07	0.00	0
	0.11	0.00	0

002 1 TANK 1 - GASOLINE
 Comments:

SCC - 40400162

Pollutant Code

113152 1000 Gallon-Years Gasoline Storage Capac
 Emission Factor

Method Code 0.00 % Ash % Sulfur
 Emissions

002 2 WITHDRAWAL LOSS
 Comments:

SCC - 40400178

Pollutant Code

113152 1000 Gallons Gasoline Transferred
 Emission Factor

Method Code 0.00 % Ash % Sulfur
 Emissions

Point - Segment TANK 2 - #2 FO
 Comments:

SCC - 40400160

Pollutant Code

90087 1000 Gallon-Years Liquid Storage Capacit
 Emission Factor

Method Code 0.00 % Ash % Sulfur
 Emissions

003 2 WORKING LOSS
 Comments:

SCC - 40400199

Pollutant Code

90087 1000 Gallons Material Throughput
 Emission Factor

Method Code 0.00 % Ash % Sulfur
 Emissions

Point - Segment TANK 3 - JET A
 Comments:

SCC - 40400162

Pollutant Code

21281 1000 Gallon-Years Gasoline Storage Capac
 Emission Factor

Method Code 0.00 % Ash % Sulfur
 Emissions

004 1 STANDING LOSS
 Comments:

SCC - 40400178

Pollutant Code

21281 1000 Gallons Gasoline Transferred
 Emission Factor

Method Code 0.00 % Ash % Sulfur
 Emissions

004 2 WITHDRAWAL LOSS
 Comments:

SCC - 40400199

Pollutant Code

21281 1000 Gallons Gasoline Transferred
 Emission Factor

Method Code 0.00 % Ash % Sulfur
 Emissions

Point - Segment TANK 4 - OUT OF SERVICE
 Comments:

SCC - 40400199

Pollutant Code

1000 Gallons Material Throughput
 Emission Factor

Method Code 0.00 % Ash % Sulfur
 Emissions

005 3 WORKING LOSS
 Comments:

SCC - 40400199

Pollutant Code

1000 Gallons Material Throughput
 Emission Factor

Method Code 0.00 % Ash % Sulfur
 Emissions

January 14, 2009

m:\Reports\Crystal Reports\2007\FacilityDetails.rpt

INVENTORY YEAR: 2007

INVENTORY YEAR: 2007									
Point - Segment	TANK 12 - KERO		% Ash	% Sulfur					
012 2	WORKING LOSS	SCC - 40400199	909	1000 Gallons Material Throughput					
Comments:		Pollutant Code	909	1000 Gallons Material Throughput					
		VOC		Emission Factor					
Point - Segment	TANK 13 - KERO		3	% Ash	% Sulfur				
013 1	BREATHING LOSS	SCC - 40400121	4153	1000 Gallon-Years Diesel Stored					
Comments:		Pollutant Code	4153	1000 Gallon-Years Diesel Stored					
		VOC		Emission Factor					
013 2	WORKING LOSS	SCC - 40400122	4153	1000 Gallon-Years Diesel Stored					
Comments:		Pollutant Code	4153	1000 Gallon-Years Diesel Stored					
		VOC		Emission Factor					
Point - Segment	TANK TRUCK LOADING LOSSES		3	% Ash	% Sulfur				
014 1	ALL FUELS	SCC - 40400150	335163	1000 Gallons Petroleum Liquid Transfere					
Comments:		Pollutant Code	335163	1000 Gallons Petroleum Liquid Transfere					
		VOC		Emission Factor					
Point - Segment	EQU LEAKS		3	% Ash	% Sulfur				
015 1	VALVES FLANGES & ETC	SCC - 40400151	335163	1000 Gallons Petroleum Liquid Transfere					
Comments:		Pollutant Code	335163	1000 Gallons Petroleum Liquid Transfere					
		VOC		Emission Factor					
Point - Segment	BALLASTING-NA 2006		3	% Ash	% Sulfur				
016 1	BALLASTING LOSSES	SCC - 40400151		1000 Gallons Petroleum Liquid Transfere					
Comments:		Pollutant Code		1000 Gallons Petroleum Liquid Transfere					
		VOC		Emission Factor					
Point - Segment	TANK #9 - FUEL OIL		3	% Ash	% Sulfur				
017 1	BREATHING LOSS	SCC - 40400121	21605	1000 Gallon-Years Diesel Stored					
Comments:		Pollutant Code	21605	1000 Gallon-Years Diesel Stored					
		VOC		Emission Factor					
017 2	WORKING LOSS	SCC - 40400121	21605	1000 Gallon-Years Diesel Stored					
Comments:		Pollutant Code	21605	1000 Gallon-Years Diesel Stored					
		VOC		Emission Factor					
Point - Segment	FACILITY WIDE FUGITIVES		3	% Ash	% Sulfur				
090 1	FACILITY WIDE FUGITIVES	SCC - 2440000000							
Comments:		Pollutant Code							
		Tons		Emission Factor					
		Method Code	0.00	% Control	0.000				
		Emissions							

2007 Annual Air Emissions Inventory and Emissions Statement Summary Report

23 027 00020 IRVING OIL CORP

Location: SEARSPORT

Mailing Address: IRVING OIL CORP
52 STATION AVE
SEARSPORT ME 04974

Contact: DRAKE BELL
Telephone: (207) 548-2541

SIC: 5171 NAICS: 42271

UTM Northing: 4922.317 UTM Zone: 19
UTM Easting: 507.976

Criteria Air Pollutants		Annual Emissions (tons)
Ammonia		
NH3	Ammonia	0
Carbon Monoxide		
CO	Carbon Monoxide	0
Fine Particulate Matter		
PM10-FIL	Primary PM10, Filterable Portion Only	0
PM25-FIL	Primary PM2.5, Filterable Portion Only	0
Lead		
7439921	Lead	0
Nitrogen Oxides (Nitrogen Dioxide)		
NOX	Nitrogen Oxides	0
Sulfur Oxides (Sulfur Dioxide)		
SO2	Sulfur Dioxide	0
Volatile Organic Compounds		
VOC	Volatile Organic Compounds	18.34574
Greenhouse Gases		Annual Emissions (tons)
Greenhouse Gases:		
124389	Carbon Dioxide	0
74828	Methane	0
10024972	Nitrous Oxide	0

CERTIFICATION: I certify, under penalty of Maine statutes 38 MRSA subsections 349.3 and 585 C.2.c, that I am the facility's responsible official, or his/her designee, and have undertaken due diligence to personally examine and otherwise familiarize myself with the information contained in these forms and underlying input data.

Further, I certify, to the best of my knowledge, that the following information is true, accurate, and complete:
• The Criteria Air Pollutant and Greenhouse Gas Emission estimates, and their associated input values.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name (Printed): Drake Bell

Date: 1/28/09

Signature: [Signature]

Title: Terminal Manager



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

July 24, 2007

JOHN ELIAS BALDACCI
GOVERNOR

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

DAVID P. LITTELL
COMMISSIONER

Drake Bell
Irving Oil Corporation
52 Station Avenue
Searsport, ME 04974

RE: LETTER OF WARNING
Irving Oil Corporation - Searsport
Air Emission License #413
Failure to Provide Annual Emission Statements for Calendar Year 2006

Dear Mr. Bell:

This letter is to notify you that your facility is currently in violation of Maine law for failing to submit by July 1, 2007 an annual air emissions inventory and greenhouse gas emissions report for emissions which occurred during Calendar Year 2006.

Maine DEP Rules, Chapter 137, "Emission Statements," Section 1(B) requires all facilities which emit or are licensed to emit any of the following criteria pollutants above reporting thresholds to file an annual emissions statement with the Department. A review of your Air Emission License finds the following emission limits:

Criteria Pollutant	06-096, Chapter 137, Sec. 1(B) Minimum Reporting Threshold	Air License #413 Emission Limits
Carbon Monoxide (CO)	75 tpy	0.7 tpy
Sulfur Dioxide (SO ₂)	40 tpy	32 tpy
Volatile Organic Compounds (VOCs)	25 tpy	49.9 tpy
Nitrogen Dioxides (NO _x)	25 tpy	8.3 tpy
Fine Particulate Matter (PM ₁₀)	15 tpy	3 tpy
Fine Particulate Matter (PM _{2.5})	15 tpy	--
Lead (Pb)	0.1 tpy	--
Ammonia (NH ₃)	50 tpy	--

As you can see, your facility is licensed to emit one or more criteria pollutants in excess of the minimum reporting thresholds and, therefore, is subject to annual emissions reporting required by Chapter 137.

Letters notifying you of this annual requirement were mailed to your facility on February 5 and March 30, 2007. A final reminder postcard was sent to your facility on June 1, 2007. At this time, your facility is in violation of the following section of Chapter 137.

- Section 3(A) – The owner or operator of any facility meeting the applicability requirements in Section 1(B) must file an emission statement with the Department on

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826
RAY BLDG., HOSPITAL ST.

BANGOR
106 HOGAN ROAD
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

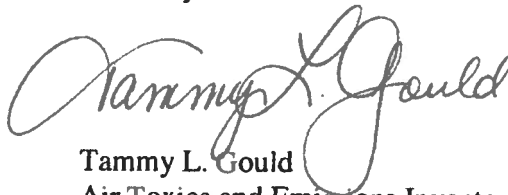
PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04769-2094
(207) 764-0477 FAX: (207) 760-3143

an annual basis for those pollutants listed in Section 1(B) [criteria pollutants] and 1(C) [greenhouse gases] of this chapter. The emission statements must be filed with the Department no later than July 1 of the year following the inventory year.

Please submit the past due emissions statements within twenty (20) days from receipt of this letter. Information about air emissions statements can be found on our website at <http://www.Maine.gov/dep/air/emissions/>. Failure to comply with this requirement or any other license requirement or regulation administered by the Department could result in enforcement action. Any enforcement action could include the violation noted above and could result in a monetary penalty.

Thank you for your attention to this matter. If you have any questions or need assistance with your emissions statements, do not hesitate to contact me at (207)287-7036 or via e-mail at tammy.gould@maine.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Tammy L. Gould", is written over a printed name.

Tammy L. Gould
Air Toxics and Emissions Inventory Program
Bureau of Air Quality

Enclosure

cc: L. Fontaine, Compliance
K. Tidd, Enforcement

Certified Mail Receipt No. 7003 2260 0002 9796 1497

M:\Enforcement\2007\IrvingOilCorp-Searsport.doc



July 30, 2007

Becky Hodsdon, Emission Inventory Program
Maine Department of Environmental Protection
Bureau of Air Quality
28 Tyson Drive
Augusta, ME 04333-0017

RE: 2006 Air Emissions Inventory

Dear Ms. Hodsdon:

"I, Drake Bell, certify that the information contained in the 2006 Air Emissions Inventory Statement for Irving Oil Corporation, Inc., facility in Searsport, Maine is accurate and Complete to the best of my knowledge."

Responsible Official Name: *Drake Bell*
Title: *Terminal Manager*
Telephone Number: *207-548-2541*
Signature: *Drake Bell*
Date: *7/30/07*

Process Unit Emissions

Pollutant	Pollutant Description	Method:	Estimated Emissions - No RE		Over All %	
			Factor:	Tons/Yr:	Capture	Control
VOC	VOLATILE ORGANIC COMPOUNDS	3				

Comment:

Facility Pollutant Emissions Summary

Facility ID: 00020 County - 027 State - 23

CAS	Pollutant	Emissions tons / year	
7439921	LEAD	0	0
CO	CARBON MONOXIDE	0	0
NH3	AMMONIA	0	0
NOX	NITROGEN OXIDES	0	0
PM10-FIL	PRIMARY PM10, FILTERABLE PORTION ONLY	0	0
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION ONLY	0	0
SO2	SULFUR DIOXIDE	0	0
VOC	VOLATILE ORGANIC COMPOUNDS	16.59656	16.59656

Table 3
Irving Oil Terminals, Inc.
2006 Storage Tank VOC Emissions

Emission Source	Total VOC (lb)*			
	Gasoline	Jet/Kero	No. 6	No. 2/Diesel
Tank 001.tn	13,009.00			140.20
Tank 002				
Tank 003				
Tank 004				
Tank 005.tn	7,402.00			
Tank 006.tn				122.68
Tank 007-A		33.70		
Tank 008-B				53.44
Tank 009				
Tank 010				
Tank 011				
Tank 012				
Tank 013				
Total	20,411.00	33.70	0.00	316.32

*Based on AP-42 guidance VOC emissions average about 85 percent of total organic compound (TOC) emissions.

Total Storage Tank VOC = 20,761.02 lb
or
10.38 ton

NOTE: TOC Emissions were calculated using "Tanks 4.09" software.

Table 5
Irving Oil Terminals, Inc.
2006 Equipment Leak VOC Emissions Calculations

Rack Lines						
Line Name	Fittings & Connectors (kg/hr/source)	Number of Pumps	Number of valves	Type of Fuel in Equipment	per Year Fuel Remains in equipment	Hours Per Year Fuel Remains in Equipment
Tank 1	4	2	11	Gasoline	365	8760
Tank 2	1	0	3	No 2	365	8760
Tank 3	4	1	8	Gasoline	0	0
Tank 4	1	2	13	No 6	0	0
Tank 5	4	1	11	Gasoline	365	8760
Tank 6	3	1	7	Jet/Kero	365	8760
Tank 7	0	0	0	No 2 & Gasoline	365	8760
Tank 8	0	0	0	No 2 & Jet/Kero	365	8760
Tank 9	11	2	18	Empty	0	0
Tank 10	14	2	15	Diesel	0	0
Tank 11	14	2	15	No 2	0	0
Tank 12	13	1	15	Jet/Kero	0	0
Tank 13	12	2	19	Diesel	0	0
Dock Lines						
Gas	5	0	16	Gasoline	365	8760
No. 2	4	0	8	No 2	365	8760
Diesel	4	0	12	Diesel	365	8760
No 6	7	0	8	No 6	0	0
7 Line	8	1	13	Gasoline	294	7056
7 Line	8	1	13	No. 2	71	1704
8 Line	8	1	13	Gasoline	319	7656
8 Line	8	1	13	No. 2	43	1032
8 Line	8	1	13	Jet/Kero	3	72

*Based on AP 42 guidance VOC emissions average about 85 percent of total organic compounds (TOC) emissions.

The following equation was used based on the Average Emission Factor Approach, Section 2.3.1:

$$VOC_e = AEF \times WF_{eq} \times N$$

Where:

- VOC_e = VOC Emission Rate from all equipment in the stream of a given type (kg/yr);
- AEF = Applicable Average Emission Factor for the equipment type (kg/hr/source)
- WF_{eq} = Average liquid mass fraction of VOC in the stream; and
- N = Number of pieces of applicable equipment type in the stream.

By Substituting the value of one (1) for WF_{eq} , the resulting equation is:

$$\text{Total VOC Emission Rate} = AEF \times 1 \times N$$

Applicable Average Emission Factors			
Fittings & Connectors (kg/hr/source)	8.00E-06	Pumps (kg/hr/source)	5.40E-04
Valves (kg/hr/source)	4.30E-06	Others (Compressors & fittings) (kg/hr/source)	1.30E-04

Fuel Type	2006 VOC Emissions (Tons)
Gasoline	0.05
Jet/Kero	0.01
No 2/Diesel	0.01
No 6	0.00
Total VOC Emissions	0.0735

Table 4
Irving Oil Terminals, Inc.
2006 Loading Loss VOC Emissions Calculations

Fuel Type	Loading Type	Percent of Thruput Loading Type is Used (%)	Saturation Factor (S)	True Vapor Pressure of Liquid Loaded (psia)	Molecular Weight of Vapors (lb/lb- mole)	Average Temperature of Bulk Liquid (°F)	Collection Efficiency	Vapor Recovery Unit Efficiency	Tank Truck Loading Losses (lb/1000gal)	Thruput (gal/yr)	Total VOC Loading Loss Rate (lb/yr)
Gasoline	Submerged										
	Dedicated Vapor Balance	100	1	4.99	64.67	512.4	0.987	0.9979	0.118	99,281,867	11,742.82
Kero/Jet	Submerged										
	Dedicated Vapor Balance	38.2	1	0.006675	130	512.4	0.987	0.9979	0.000	11,358,421	1.38
Kero/Jet	Splash Loading (Dedicated)										
	Normal Service Submerged	61.8	1.45	0.006675	130	512.4	0.987	0	0.031	11,358,421	214.77
No. 2/Diesel	Dedicated Vapor Balance	92.3	1	0.005283	130	512.4	0.987	0.9979	0.000	149,043,726	34.63
	Splash Loading (Dedicated)										
No. 2/Diesel	Normal Service Splash Loading (Dedicated)	7.7	1.45	0.005283	130	512.4	0.987	0	0.024	149,043,726	277.91
No. 6	Normal Service										
	Normal Service	0	1.45	0.0000327	190	512.4	0.987	0	0.000	0	0.00
*Based on 2006 operations											
Total VOC Losses											12271.51
Tons/Year											6.14

The estimation method from AP 42 section 5.2.2.1.1 was used to determine tank truck loading losses for the year 2006.

The following equation was used to determine the losses:

$$L_v = 12.46 \times (SPM/T) \times (1 - \text{eff} / 100)$$

Where

L_v = Loading Loss, pounds per 1000 gallons (lb/10³ gal) of liquid loaded

S = Saturation factor (AP-42 Table 5.2-1)

P = True vapor pressure of liquid loaded, pounds per square inch absolute (psia)

M = Molecular weight of vapors, pounds per pound-mole (lb/lb-mole)

T = Temperature of bulk liquid loaded (°F)

eff = Efficiency of vapor control unit (Collection Efficiency x Vapor Recovery Unit Efficiency)

Table 1

2006 Criteria Pollutant Emissions (Tons)						
Pollutant	No. 6 Boiler	Storage Tanks	Loading	Equipment Leaks	Ballasting	Totals
Carbon Monoxide (CO)	0.00	0.00	0.00	0.00	0.00	0.00
Sulfur Dioxide (SO ₂)	0.00	0.00	0.00	0.00	0.00	0.00
Volatile Organic Compounds (VOCs)	0.00	10.38	6.14	0.07	0.00	16.59
Nitrogen Oxides (NO _x)	0.00	0.00	0.00	0.00	0.00	0.00
Fine Particulate Matter (PM2.5)	0.00	0.00	0.00	0.00	0.00	0.00
Fine Particulate Matter (PM10)	0.00	0.00	0.00	0.00	0.00	0.00
Ammonia (NH ₃)	0.00	0.00	0.00	0.00	0.00	0.00

Pen 12

**Irving Oil Terminals, Inc.
Waldo County
Searsport, Maine
A-413-71-K-M (SM)**

**Departmental
Findings of Fact and Order
Air Emission License
Amendment #3**

After review of the air emissions license amendment application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., §344 and §590, the Department finds the following facts:

I. REGISTRATION

A. Introduction

1. Irving Oil Terminals, Inc. (Irving) was issued Air Emission License A-413-71-H-N on March 28, 2007 permitting the operation of emission sources associated with their bulk petroleum storage and distribution facility. The license was subsequently amended on December 17, 2007 (A-413-71-I-M) and July 1, 2008 (A-413-71-J-M)
2. The equipment addressed in this license is located at 52 Station Ave, Searsport, Maine.
3. Irving has requested a minor revision to their license in order to extend the deadline to install internal floating roofs in Tanks 14 and 15.

B. Revision Description

Air emission license A-413-71-I-M permitted Irving to store gasoline in Tanks 14 and 15 provided the annual throughput in these tanks did not exceed 828,404 gallons per year. Irving subsequently amended these provisions to increase the throughput in the tanks to 8.0 MMgallons/year. As part of this amendment (A-413-71-J-M), Irving was required to install internal floating roofs (IFRs) in these tanks by July 1, 2009.

Irving Oil Terminals, Inc.
Waldo County
Searsport, Maine
A-413-71-K-M

Rev 12

2

**Departmental
Findings of Fact and Order
Air Emission License
Amendment #3**

Tanks 14 and 15 store premium gasoline. Irving has completed the engineering required to enable the IFRs to be installed. However, Irving is currently in the process of negotiating a commercial agreement that would allow them to store this product at another facility (off-site). If these negotiations are not successful, Irving may choose to discontinue storage of premium gasoline at this facility altogether. Therefore, Irving has requested the deadline to install IFRs be extended to December 31, 2009. By that time Irving will have either secured a storage agreement, converted the tanks to IFRs, or discontinued the storage of gasoline in these tanks.

C. Application Classification

This amendment will not increase permitted emissions of any pollutant. Therefore, this modification is determined to be a minor revision and has been processed as such.

ORDER

Based on the above Findings and subject to conditions listed below, the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-413-71-K-M subject to the conditions found in Air Emission License A-413-71-H-N, in amendments A-413-71-I-M and A-413-71-J-M, and in the following conditions.

Severability. The invalidity or unenforceability of any provision, or part thereof, of this License shall not affect the remainder of the provision or any other provisions. This License shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

DRAFT

DRAFT

DRAFT

DRAFT

06/18/09

Irving Oil Terminals, Inc.
Waldo County
Searsport, Maine
A-413-71-K-M

**Departmental
Findings of Fact and Order
Air Emission License
Amendment #3**

3

The following shall replace Condition (30)(A) of Air Emission License A-413-71-J-M:

(30) Tanks 14 and 15

A. Irving shall discontinue storage of gasoline or install IFRs in Tanks 14 and 15 prior to December 31, 2009. [06-096 CMR 115, BACT]

DONE AND DATED IN AUGUSTA, MAINE THIS _____ DAY OF _____, 2009.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: _____
DAVID P. LITTELL, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-413-71-H-N.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 6/5/09

Date of application acceptance: 6/5/09

Date filed with the Board of Environmental Protection: _____

This Order prepared by Lynn Ross, Bureau of Air Quality.

DRAFT

DRAFT

DRAFT

DRAFT

06/18/09



June 5, 2009

Ms. Lynn Ross
Environmental Engineer
Bureau of Air Quality
Department of Environmental Protection
17 State House Station
Augusta, Maine 04333

**Re: Application for Minor Revision – Air Emission License # A-413-71-J-M
Irving Oil Terminals Inc.; Searsport, Maine Marine Terminal**

Dear Ms. Ross:

As required by the Maine Bureau of Air Quality Rules Sections 5A(4) & 5D of Chapter 115 – Major & Minor Source Air Emission License Regulations – Irving Oil Terminals Inc. (IOTI) respectfully submits the following Application for Minor Revision of the above referenced Air Emission License.

Revision Summary

IOTI's current License states that Tanks 14 & 15 (20,000 gal each) shall be retrofitted with IFRs no later than July 1, 2009.

While we have completed all engineering to enable this work, we have delayed implementation of the project because of negotiations currently in effect on a commercial arrangement that we expect to provide our Company with an operational alternative in the region to using Tanks 14 & 15 for gasoline storage.

In lieu of this, IOTI's is requesting that the License deadline be extended to December 31, 2009.

Thank you for time and consideration. Please contact me directly should you have any questions or require additional information.



No.	A-L-0017
Effective Date	1/19/06
Revision No.	00
Last Revision Date	N/A
Page 1 of 1	

SIGNATORY REQUIREMENT

Each application submitted to the Department must be signed by the applicant, or the applicant's duly authorized officer or agent, and include the following certification signed by a Responsible Official:

"I certify under penalty of law that, based on information and belief formed after reasonable inquiry, I believe the information included in the attached document is true, complete, and accurate."

Drake Bell

Responsible Official Signature

6/5/09

Date

Drake Bell

Responsible Official (printed or typed)

Terminal Manager

Title

"Responsible official" means one of the following:

- A. For a corporation: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:
 1. The facilities employ more than 250 persons or have gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars); or
 2. The delegation of authority to such representatives is approved in advance by the permitting authority;
- B. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;
- C. For a municipality, State, Federal, or other public agency: Either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of EPA); or
- D. For Title IV sources:
 1. The designated representative, having the meaning given to it in section 402(26) of the CAA, in so far as actions, standards, requirements, or prohibitions under title IV of the Act or the regulations promulgated thereunder are concerned; and
 2. The designated representative, having the meaning given to it in section 402(26) of the CAA, for any other purposes under part 70.



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JOHN ELIAS BALDACCI
GOVERNOR

DAVID P. LITTELL
COMMISSIONER

June 5, 2009

Drake Bell
Terminal Manager
Irving Oil Corporation
52 Station Ave
Searsport, ME 04974

RE: Irving Oil Corporation Application for Air Emission License Minor Revision

Dear Mr. Bell:

Your application for air emission license has been received by the Department of Environmental Protection. Project number A-413-71-K-M has been assigned to your application. Please refer to this number in any future correspondence.

If you have any questions concerning your application, write or call Lynn Ross, the project manager for your application. The telephone number is (207) 287-2437. Prior to final issue you will receive a copy of your draft air emission license for your review.

Your application has been accepted for processing. However, if materials that have been submitted are incomplete or additional materials are deemed necessary by the Department, processing of the application will be stopped until the required information has been submitted. This application was considered acceptable for processing on 6/5/09.

Sincerely,

Marc Allen Robert Cone, P.E.
Bureau of Air Quality

cc: Lynn Ross

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826
RAY BLDG., HOSPITAL ST.

BANGOR
106 HOGAN ROAD
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04769-2094
(207) 764-0477 FAX: (207) 760-3143

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JOHN ELIAS BALDACCI

COMMISSIONER

DAVID P. LITTELL

COMMISSIONER

**Irving Oil Terminals, Inc.
Waldo County
Searsport, Maine
A-413-71-K-M (SM)****Departmental
Findings of Fact and Order
Air Emission License
Amendment #3**

After review of the air emissions license amendment application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., §344 and §590, the Department finds the following facts:

I. REGISTRATION**A. Introduction**

1. Irving Oil Terminals, Inc. (Irving) was issued Air Emission License A-413-71-H-N on March 28, 2007 permitting the operation of emission sources associated with their bulk petroleum storage and distribution facility. The license was subsequently amended on December 17, 2007 (A-413-71-I-M) and June 27, 2008 (A-413-71-J-M)
2. The equipment addressed in this license is located at 52 Station Ave, Searsport, Maine.
3. Irving has requested a minor revision to their license in order to extend the deadline to install internal floating roofs in Tanks 14 and 15.

B. Revision Description

Air emission license A-413-71-I-M permitted Irving to store gasoline in Tanks 14 and 15 provided the annual throughput in these tanks did not exceed 828,404 gallons per year. Irving subsequently amended these provisions to increase the throughput in the tanks to 8.0 MMgallons/year. As part of this amendment (A-413-71-J-M), Irving was required to install internal floating roofs (IFRs) in these tanks by July 1, 2009.

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04101-0017
(207) 667-7668 FAX: (207) 667-7526
RAY BLDG., HOSPITAL ST.

BANGOR
106 HOGAN ROAD
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 833-6300 FAX: (207) 833-6103

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04769-2094
(207) 764-0477 FAX: (207) 764-3143

Irving Oil Terminals, Inc.
Waldo County
Searsport, Maine
A-413-71-K-M

Departmental
Findings of Fact and Order
Air Emission License
Amendment #3

2

Tanks 14 and 15 store premium gasoline. Irving has completed the engineering required to enable the IFRs to be installed. However, Irving is currently in the process of negotiating a commercial agreement that would allow them to store this product at another facility (off-site). If these negotiations are not successful, Irving may choose to discontinue storage of premium gasoline at this facility altogether. Therefore, Irving has requested the deadline to install IFRs be extended to December 31, 2009. By that time Irving will have either secured a storage agreement, converted the tanks to IFRs, or discontinued the storage of gasoline in these tanks.

C. Application Classification

This amendment will not increase permitted emissions of any pollutant. Therefore, this modification is determined to be a minor revision and has been processed as such.

ORDER

Based on the above Findings and subject to conditions listed below, the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-413-71-K-M subject to the conditions found in Air Emission License A-413-71-H-N, in amendments A-413-71-I-M and A-413-71-J-M, and in the following conditions.

Severability. The invalidity or unenforceability of any provision, or part thereof, of this License shall not affect the remainder of the provision or any other provisions. This License shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

Irving Oil Terminals, Inc.
Waldo County
Searsport, Maine
A-413-71-K-M

3

**Departmental
Findings of Fact and Order
Air Emission License
Amendment #3**

The following shall replace Condition (30)(A) of Air Emission License A-413-71-J-M:

(30) Tanks 14 and 15

A. Irving shall discontinue storage of gasoline or install IFRs in Tanks 14 and 15 prior to December 31, 2009. [06-096 CMR 115, BACT]

DONE AND DATED IN AUGUSTA, MAINE THIS 23rd DAY OF June, 2009.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: *David P. Littell*
DAVID P. LITTELL, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-413-71-H-N.

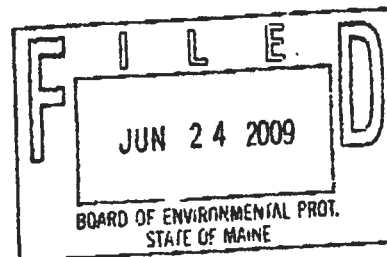
PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 6/5/09

Date of application acceptance: 6/5/09

Date filed with the Board of Environmental Protection: _____

This Order prepared by Lynn Ross, Bureau of Air Quality.



IRVING

January 11, 2010

Lynn Ross, P.E.
Environmental Engineer
Department of Environmental Protection
Bureau of Air Quality
17 State House Station
Augusta, ME 04333
(207) 287-8108

RE: Searsport Terminal Air License

Lynn,

This letter is in reference to Irving Oil's Terminal current Air License conditions of :

- A. Irving shall not exceed an annual gasoline throughput of 200,000,000 gallons on a Rolling 12 month basis
- B. Irving shall not exceed an annual ethanol throughput of 20,000,000 gallons in Tank # 11 on a rolling 12 month basis
- C. Irving shall not exceed a combined annual gasoline throughput in Tanks 14 & 15 of 8,000,000 gallons on a rolling 12 month basis

Irving would request that :

- A. The volumes would be changed to 220,000,000 gallons of product, to include both gasoline (regular and supreme) and ethanol

B. Remove the restriction on Tanks 14 & 15 so that the 8,000,000 is part of the 220,000,000

C. Remove the reference for Tank # 11 to be associated only with ethanol.

Thank You

Drake Bell

Drake Bell

Irving Oil

52 Station Ave

Searsport, Maine 04975



No.
Effective Date
Revision No.
Last Revision Date

AI 0017
1/19/06
00
N/A
Page 1 of 1

SIGNATORY REQUIREMENT

Each application submitted to the Department must be signed by the applicant, or the applicant's duly authorized officer or agent, and include the following certification signed by a Responsible Official:

"I certify under penalty of law that, based on information and belief formed after reasonable inquiry, I believe the information included in the attached document is true, complete, and accurate."

Responsible Official Signature

MICHAEL D THOMPSON

Responsible Official (printed or typed)

Jan. 26 / 10

Date

DIRECTOR - LOGISTICS & DISTRIBUTION

Title

"Responsible official" means one of the following:

- A. For a corporation: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:
 1. The facilities employ more than 250 persons or have gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars); or
 2. The delegation of authority to such representatives is approved in advance by the permitting authority;
- B. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;
- C. For a municipality, State, Federal, or other public agency: Either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of EPA); or
- D. For Title IV sources:
 1. The designated representative, having the meaning given to it in section 402(26) of the CAA, in so far as actions, standards, requirements, or prohibitions under title IV of the Act or the regulations promulgated thereunder are concerned; and
 2. The designated representative, having the meaning given to it in section 402(26) of the CAA, for any other purposes under part 70.

Irving Oil Terminals, Inc.
Waldo County
Searsport, Maine
A-413-71-J-M

Departmental
Findings of Fact and Order
Air Emission License
Amendment #2

4

The following shall replace Condition (22) of Air Emission Licenses ~~A-413-71-H-N~~
and ~~A-413-71-I-M~~:

(22) Throughput Limits

- Remove completely* →
- A. Irving shall not exceed an annual gasoline throughput for the facility of 200,000,000 gallons (based on a 12-month rolling total). [06-096 CMR 115, BPT]
 - B. Irving shall not exceed an annual ethanol throughput in Tank 11 of 20,000,000 gallons (based on a 12-month rolling total). [06-096 CMR 115, BPT]
 - C. Irving shall not exceed a combined annual gasoline throughput in Tanks 14 and 15 of 8,000,000 gallons (based on a 12-month rolling total). [06-096 CMR 115, BPT]
 - D. Compliance with the throughput limits listed above shall be demonstrated by a monthly log kept on site and available to the Department upon request. [06-096 CMR 115, BPT]

The following are New Conditions:

(30) Tanks 14 and 15

- A. Irving shall install an internal floating roof in Tanks 14 and 15 prior to July 1, 2009. [06-096 CMR 115, BACT]
- B. Tanks 14 and 15 each shall be equipped, maintained and operated such that:
 - 1. there is an internal floating roof with closure seal(s) between the roof edge and the tank wall and these are maintained so as to prevent vapor leakage, [06-096 CMR 115, BACT]
 - 2. the internal floating roof and the closure seal(s) will be maintained such that there are no holes, tears, or other openings in the seal or between the seal and the floating roof, [06-096 CMR 115, BACT]
 - 3. all storage tank openings, except stub drains, are equipped with covers, lids or seals which remain closed at all times, [06-096 CMR 115, BACT]
 - 4. all automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports, [06-096 CMR 115, BACT]
 - 5. all rim vents, if provided, are to be set to open only when the roof is being floated off the leg supports or at the manufacturers recommended setting, [06-096 CMR 115, BACT]
 - 6. if any holes, tears, or other openings are present the source shall make repairs as soon as practical, but no later than 15 calendar days with the

2009	Regular	reg gross	supreme	sup gross	Ethanol	eth gross	Ethanol	rolling 12
January	9,434,698	9,243,280	474,399	460,613	1,615,380	1,583,766	31,294	Sep-08 15,842,097
February	7,769,441	7,617,851	406,367	396,497	1,512,677	1,486,459	1,047,457	Oct-08 17,526,694
March	8,946,440	8,791,501	383,025	376,032	1,627,172	1,601,490	998,333	Nov-08 18,652,528
April	8,066,931	7,994,382	272,842	269,979	1,412,040	1,399,654	1,114,096	Dec-08 19,353,529
May	8,255,977	8,220,240	277,397	277,200	1,521,960	1,515,511	1,583,766	Jan-09 19,879,200
June	7,525,137	7,532,391	229,090	230,396	1,430,696	1,432,985	1,486,459	Feb-09
July	8,756,793	8,774,745	300,529	303,232	1,784,268	1,731,102	1,601,490	Mar-09
August	9,248,695	9,292,986	368,520	364,771	1,890,613	1,899,950	1,399,654	Apr-09
September	9,871,812	9,888,997	361,411	361,383	1,714,422	1,715,891	1,515,511	May-09
October	10,750,763	10,695,855	342,197	340,187	2,184,383	2,173,291	1,432,985	Jun-09
November	9,363,592	9,285,752	277,612	274,442	1,714,922	1,699,334	1,731,102	Jul-09
December	9,759,685	9,620,495	212,449	208,008	1,864,125	1,839,767	1,899,950	Aug-09
gallons	107,749,964	106,958,155	3,905,838	3,862,740	20,052,658	19,879,200	1,715,891	Sep-09
							2,173,291	Oct-09
							1,699,334	Nov-09
							1,639,767	Dec-09

1,704,508 can use for Jan 2010

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Irving Oil Terminals, Inc.
Waldo County
Searsport, Maine
A-413-71-K-M (SM)

**Departmental
Findings of Fact and Order
Air Emission License
Amendment #3**

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I. REGISTRATION

A. Introduction

1. Irving Oil Terminals, Inc. (Irving) was issued Air Emission License A-413-71-H-N on March 28, 2007 permitting the operation of emission sources associated with their bulk petroleum storage and distribution facility. The license was subsequently amended on December 17, 2007 (A-413-71-I-M) and July 1, 2008 (A-413-71-J-M)
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Irving Oil Terminals, Inc.
Waldo County
Searsport, Maine
A-413-71-K-M

Page 11

2

**Departmental
Findings of Fact and Order
Air Emission License
Amendment #3**

Tanks 14 and 15 store premium gasoline. Irving has completed the engineering required to enable the IFRs to be installed. However, Irving is currently in the process of negotiating a commercial agreement that would allow them to store this product at another facility (off-site). If these negotiations are not successful, it is likely that Irving will discontinue storage of premium gasoline at this facility altogether. Therefore, Irving has requested the deadline to install IFRs be extended to December 31, 2009. By that time Irving will have either secured a storage agreement, converted the tanks to IFRs, or discontinued the storage of gasoline in these tanks.

C. Application Classification

This amendment will not increase permitted emissions of any pollutant. Therefore, this modification is determined to be a minor revision and has been processed as such.

ORDER

Based on the above Findings and subject to conditions listed below, the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-413-71-K-M subject to the conditions found in Air Emission License A-413-71-H-N, in amendments A-413-71-I-M and A-413-71-J-M, and in the following conditions.

Severability. The invalidity or unenforceability of any provision, or part thereof, of this License shall not affect the remainder of the provision or any other provisions. This License shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

DRAFT

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06/17/09

Irving Oil Terminals, Inc.
Waldo County
Searsport, Maine
A-413-71-K-M

3

**Departmental
Findings of Fact and Order
Air Emission License
Amendment #3**

The following shall replace Condition (30)(A) of Air Emission License A-413-71-J-M:

(30) Tanks 14 and 15

- A. Irving shall discontinue storage of gasoline or install IFRs in Tanks 14 and 15 prior to December 31, 2009. [06-096 CMR 115, BACT]

DONE AND DATED IN AUGUSTA, MAINE THIS _____ DAY OF _____, 2009.
DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: _____
DAVID P. LITTELL, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-413-71-H-N.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 6/5/09
Date of application acceptance: 6/5/09

Date filed with the Board of Environmental Protection: _____

This Order prepared by Lynn Ross, Bureau of Air Quality.

DRAFT

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06/17/09